BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**20**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**70**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**100**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**87**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**230**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**46**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.136**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**127**	281683
9	Supply & erection of DP set (2 pole structure kit-GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**7**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**16**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**10**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**2**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**4**	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**12**	613050
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**103**	278911
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**	CDS materials for General works
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**	321438
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**36**	281674+600095+607054, CDS 60
20	Supply & providing of GI wire 8SWG	kg	**60**	281008
21	Supply & providing of Guy wire 7/10SWG	kg	**70**	281110
22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**7**	303202, CDS 60
23	Supply & providing of LT Protection kit	No	**12**	301107

25	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**7**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**175**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**84**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**28**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**56**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**12**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**8**	821900
27	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**5**	280119, CDS materials for General works
28	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**	321437
29	Supply & providing of Guy wire 7/10SWG	kg	**50**	281110
30	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**5**	303202, CDS 60
31	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**5**	
	Aluminium lead wire 50 sqmm	Mtr	**125**	289031
	Heavy duty long barrel copper lugs- 50 sqmm	No	**20**	288531
	P.G Clamps - Rabbit to 50 sq.mm	No	**20**	285508, CDS 63
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**	280800+280511, CDS 63
	Spacers for DTC wiring	No	**40**	284503
	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	5	CDS 39
32	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	42	200004
33	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	42	280014, CDS materials for General works
34	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	63	280012, CDS materials for General works
35	1.1 kV Pin Insulator with GI Pin	No	250	283053, CDS 5
36	No. 8 Strain Insulator	No	50	283158
37	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11	CDS materials for General works
38	Rabbit ACSR Conductor	KM	8	284108
39	Weasel ACSR Conductor	KM	7	CDS 69

PART-II ERECTION PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**20**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**70**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**100**	CDS materials for General works
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**46**	CDS materials for General works
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**10.136**	284108
6	Supply & Providing of Spiral Earth Electrode	No	**127**	281683
7	Supply & erection of DP set (2 pole structure kit-GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**7**	CDS 46
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**16**	304212
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**4**	280149
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**10**	280013
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**2**	302011
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**4**	278916
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**12**	613050
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**103**	278911
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**7**	CDS materials for General works
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**7**	321438
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**36**	281674+600095+607054, CDS 60
18	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**7**	303202, CDS 60
19	Supply & providing of LT Protection kit	No	**12**	301107
20	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**7**	

	i) Al Lead Wire - 95 Sqmm	Mtr	**175**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**84**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**28**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**56**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**7**	CDS 39
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**12**	302122
22	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**5**	280119, CDS materials for General works
23	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**5**	321437
24	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**5**	303202, CDS 60
25	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**5**	
	Aluminium lead wire 50 sqmm	Mtr	**125**	289031
	Heavy duty long barrel copper lugs- 50 sqmm	No	**20**	288531
	P.G Clamps - Rabbit to 50 sq.mm	No	**20**	285508, CDS 63
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**10**	280800+280511, CDS 63
	Spacers for DTC wiring	No	**40**	284503
26	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	5	CDS 39
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	42	200004
28	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	42	280014, CDS materials for General works
29	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	63	280012, CDS materials for General works
30	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	11	CDS materials for General works
31	Rabbit ACSR Conductor	KM	8	284108
32	Weasel ACSR Conductor	KM	7	CDS 69
33	Guy concreting with Boulders, Mud and Sand	No	11	0